

**AMENDMENTS TO THE SPECIFICATION:**

Please add the following section title on page 1, line 2:

**BACKGROUND OF THE INVENTION**

Please add the following section title on page 1, line 3:

**FIELD OF THE INVENTION**

Please add the following section title on page 2, line 1:

**DESCRIPTION OF PRIOR ART**

Please add the following section title on page 4, line 27:

**BRIEF DESCRIPTION OF THE DRAWINGS**

Please make the following amendment on page 4, line 30:

In the following the invention is described more closely with the help of its preferable embodiments and by referring to the following figures, of which figures:

Please make the following amendment on page 5, line 8:

Figures 4 and 5 present one sensor module structure well-suited to be used in mammography.

Please add the following section title on page 5, line 9:

**DETAILED DESCRIPTION OF THE INVENTION**

Please make the following amendment on page 10, line 17:

In mammography applicatons a single module 510, 510', ... may be formed of e.g. 142 x 284 pixels of 35 mm and may form a sensor surface of an area of 5 mm x 10 mm, when the sensor arrangement as a whole may contain e.g. in the width direction four and in the height direction about 20 such modules, thereby forming a sensor 50 of ca. 20 mm by width and e.g. ca. 240 mm by ~~heidth~~ height.

Please add the following Abstract on page 18 as follows:

**ABSTRACT**

A digital imaging apparatus and method which includes a radiation source and a sensor arrangement for detecting radiation. The sensor arrangement contains one or more sensors formed of one or more preferably elongated sensor modules, which sensor module contains one or more pixel columns which receive image data. The digital imaging apparatus includes means for positioning the object to be imaged which is situated within the area between the radiation source and the sensor arrangement, and means for limiting the beam from the radiation source essentially according to the active sensor surface of the said sensor arrangement. Also included is means to move the beam across the object being positioned to be imaged and means to move the at least one sensor belonging to the sensor arrangement in sync with the scanning movement of the beam in order to keep the active sensor surface essentially at right angles to the beam on the plane formed by the scanning movement.